

# JP 08-231625 A

(c) 2003 Thomson Derwent. All rts. reserv.

010814026

WPI Acc No: 1996-310979/199632

**polyEthylene@ continuous polymerisation for extrusion blowing for casings  
- using Ziegler catalyst and metallocene-aluminoxane silane catalyst  
system, for wider distribution of mol.wt. and lower melt flow index**

Patent Assignee: ENICHEM SPA (ENIE ); ECP ENICHEM POLYMERES FRANCE SA (ENIE )

Inventor: ADISSON E; AGBOSSOU S; BUJADOUX K; LEPREVOST B; OLONDE X

Number of Countries: 015 Number of Patents: 006

Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| EP 720989   | A1   | 19960710 | EP 95402974 | A    | 19951229 | 199632 B |
| FR 2728906  | A1   | 19960705 | FR 9415929  | A    | 19941230 | 199634   |
| JP 8231625  | A    | 19960910 | JP 95340658 | A    | 19951227 | 199646   |
| EP 720989   | B1   | 19990901 | EP 95402974 | A    | 19951229 | 199940   |
| DE 69511838 | E    | 19991007 | DE 611838   | A    | 19951229 | 199947   |
|             |      |          | EP 95402974 | A    | 19951229 |          |
| ES 2137472  | T3   | 19991216 | EP 95402974 | A    | 19951229 | 200006   |

Priority Applications (No Type Date): FR 9415929 A 19941230

Cited Patents: 00 28395800; 00 43632800; 4659685

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 720989 A1 F 10 C08F-010/00

Designated States (Regional): AT BE DE DK ES GB GR IE IT NL PT SE

ES 2137472 T3 C08F-010/00 Based on patent EP 720989

FR 2728906 A1 16 C08F-010/02

JP 8231625 A 7 C08F-004/642

EP 720989 B1 F C08F-010/00

Designated States (Regional): AT BE DE DK ES GB GR IE IT NL PT SE SI

DE 69511838 E C08F-010/00 Based on patent EP 720989

Abstract (Basic): EP 720989 A

Continuous homopolymerisation of ethylene or copolymerisation with an alpha -olefin, at 160-300 deg. and 400-3000 bars, in a reactor comprising a zone in which the residence time of the catalysts is 1-150 seconds., involves the simultaneous but separate introduction of:

- (a) a Ziegler catalyst system; and
- (b) a catalytic system of metallocene/alumoxane.

USE - Suitable for extrusion-blowing to form casings.

ADVANTAGE - The (co)polymer has a wider distribution of mol.wt., and also a lower melt flow index (1-4 g/10 minutes).

Dwg.0/0

Derwent Class: A17; E11; E12

International Patent Class (Main): C08F-004/642; C08F-010/00; C08F-010/02

International Patent Class (Additional): C08F-002/00; C08F-002/38;

C08F-004/646